

SEQUENCE LISTING

<110> Ji-Ming Wang
 Joost J. Oppenheim
 Shao-Bo Su
 Wang-Hua Gong
 Ji-Liang Gao
 Philip M. Murphy

<120> UTILIZATION OF FPRL1 AS A FUNCTIONAL
 RECEPTOR BY SERUM AMYLOID A (SAA)

<130> NIH173.001C1

<150> PCT/US99/21770

<151> 1999-09-22

<160> 301

<170> FastSEQ for Windows Version 4.0

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Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35     40     45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50     55     60
Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
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 20 25 30
 Ser Asp Lys Tyr Phe
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<400> 36

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20 25 30

Ser Asp Lys Tyr Phe His Ala

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1 5 10 15

Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly

20 25 30

Ser Asp Lys Tyr Phe His Ala Arg

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Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly

20 25 30

Ser Asp Lys Tyr Phe His Ala Arg Gly

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 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr
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Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
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 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp
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 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala
 35 40 45

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 20 25 30
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 35 40 45

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 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
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 20 25 30
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 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala
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 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu
 50 55

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 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala
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<400> 57
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 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile
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 1 5 10 15
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 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
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 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn
 50 55 60

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<212> PRT

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 1 5 10 15
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 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala
 50 55 60

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<212> PRT

<213> Homo Sapiens

<400> 61

Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45

Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg
 50 55 60

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<400> 62
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
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 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60

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<400> 63
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 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile
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 20 25 30
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 35 40 45
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 50 55 60
 Asn Ile Gln
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 1 5 10 15
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 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
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 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe
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<400> 67
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe
 65 70

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 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
 65 70

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<400> 72
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
 65 70 75

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<400> 73
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp
 65 70 75

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Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1      5      10      15
Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20     25     30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35     40     45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50     55     60
Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
65      70      75      80

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Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1      5      10      15
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 20     25     30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35     40     45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50     55     60
Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
65      70      75      80
Gln

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Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1      5      10      15
Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20     25     30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35     40     45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50     55     60
Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
65      70      75      80
Gln Ala

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 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala

<210> 81
 <211> 84
 <212> PRT
 <213> Homo Sapiens

<400> 81
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn

<210> 82
 <211> 85
 <212> PRT
 <213> Homo Sapiens

<400> 82
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp

65 70 75 80
 Gln Ala Ala Asn Glu
 85

<210> 83
 <211> 86
 <212> PRT
 <213> Homo Sapiens

<400> 83
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp
 85

<210> 84
 <211> 87
 <212> PRT
 <213> Homo Sapiens

<400> 84
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly
 85

<210> 85
 <211> 88
 <212> PRT
 <213> Homo Sapiens

<400> 85
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30

Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg
 85

<210> 86
 <211> 89
 <212> PRT
 <213> Homo Sapiens

<400> 86
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser
 85

<210> 87
 <211> 90
 <212> PRT
 <213> Homo Sapiens

<400> 87
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
 85 90

<210> 88
 <211> 91
 <212> PRT
 <213> Homo Sapiens

<400> 88

Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
 85 90

<210> 89

<211> 92

<212> PRT

<213> Homo Sapiens

<400> 89

Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
 85 90

<210> 90

<211> 93

<212> PRT

<213> Homo Sapiens

<400> 90

Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
 85 90

<210> 91
 <211> 94
 <212> PRT
 <213> Homo Sapiens

<400> 91
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
 85 90

<210> 92
 <211> 95
 <212> PRT
 <213> Homo Sapiens

<400> 92
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
 85 90 95

<210> 93
 <211> 96
 <212> PRT
 <213> Homo Sapiens

<400> 93
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp

65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 85 90 95

<210> 94
 <211> 97
 <212> PRT
 <213> Homo Sapiens

<400> 94
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 85 90 95
 Arg

<210> 95
 <211> 98
 <212> PRT
 <213> Homo Sapiens

<400> 95
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 85 90 95
 Arg Pro

<210> 96
 <211> 99
 <212> PRT
 <213> Homo Sapiens

<400> 96

Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 85 90 95
 Arg Pro Ala

<210> 97
 <211> 100
 <212> PRT
 <213> Homo Sapiens

<400> 97
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 85 90 95
 Arg Pro Ala Gly
 100

<210> 98
 <211> 101
 <212> PRT
 <213> Homo Sapiens

<400> 98
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe

85 90 95
 Arg Pro Ala Gly Leu
 100

<210> 99
 <211> 102
 <212> PRT
 <213> Homo Sapiens

<400> 99
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 85 90 95
 Arg Pro Ala Gly Leu Pro
 100

<210> 100
 <211> 103
 <212> PRT
 <213> Homo Sapiens

<400> 100
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 85 90 95
 Arg Pro Ala Gly Leu Pro Glu
 100

<210> 101
 <211> 104
 <212> PRT
 <213> Homo Sapiens

<400> 101

Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 85 90 95
 Arg Pro Ala Gly Leu Pro Glu Lys
 100

<210> 102

<211> 104

<212> PRT

<213> Homo Sapiens

<400> 102

Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp
 1 5 10 15
 Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser
 20 25 30
 Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly
 35 40 45
 Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn
 50 55 60
 Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln
 65 70 75 80
 Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
 85 90 95
 Pro Ala Gly Leu Pro Glu Lys Tyr
 100

<210> 103

<211> 103

<212> PRT

<213> Homo Sapiens

<400> 103

Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met
 1 5 10 15
 Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp
 20 25 30
 Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro
 35 40 45
 Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile
 50 55 60
 Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala
 65 70 75 80
 Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro

85 90 95
Ala Gly Leu Pro Glu Lys Tyr
100

<210> 104
<211> 102
<212> PRT
<213> Homo Sapiens

<400> 104
Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp
1 5 10 15
Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys
20 25 30
Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly
35 40 45
Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln
50 55 60
Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala
65 70 75 80
Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
85 90 95
Gly Leu Pro Glu Lys Tyr
100

<210> 105
<211> 101
<212> PRT
<213> Homo Sapiens

<400> 105
Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg
1 5 10 15
Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr
20 25 30
Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly
35 40 45
Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg
50 55 60
Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn
65 70 75 80
Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
85 90 95
Leu Pro Glu Lys Tyr
100

<210> 106
<211> 100
<212> PRT
<213> Homo Sapiens

<400> 106

Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala
 1 5 10 15
 Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe
 20 25 30
 His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val
 35 40 45
 Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe
 50 55 60
 Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu
 65 70 75 80
 Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
 85 90 95
 Pro Glu Lys Tyr
 100

<210> 107

<211> 99

<212> PRT

<213> Homo Sapiens

<400> 107

Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr
 1 5 10 15
 Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His
 20 25 30
 Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp
 35 40 45
 Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
 50 55 60
 Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 65 70 75 80
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 85 90 95
 Glu Lys Tyr

<210> 108

<211> 98

<212> PRT

<213> Homo Sapiens

<400> 108

Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser
 1 5 10 15
 Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala
 20 25 30
 Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala
 35 40 45
 Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly
 50 55 60
 Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly
 65 70 75 80
 Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu

Lys Tyr 85 90 95

<210> 109
 <211> 97
 <212> PRT
 <213> Homo Sapiens

<400> 109
 Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp
 1 5 10 15
 Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg
 20 25 30
 Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala
 35 40 45
 Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg
 50 55 60
 Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 65 70 75 80
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 85 90 95
 Tyr

<210> 110
 <211> 96
 <212> PRT
 <213> Homo Sapiens

<400> 110
 Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met
 1 5 10 15
 Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly
 20 25 30
 Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu
 35 40 45
 Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly
 50 55 60
 Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser
 65 70 75 80
 Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90 95

<210> 111
 <211> 95
 <212> PRT
 <213> Homo Sapiens

<400> 111
 Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg
 1 5 10 15

Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn
 20 25 30
 Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala
 35 40 45
 Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
 50 55 60
 Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
 65 70 75 80
 Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90 95

<210> 112
 <211> 94
 <212> PRT
 <213> Homo Sapiens

<400> 112
 Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu
 1 5 10 15
 Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr
 20 25 30
 Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile
 35 40 45
 Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
 50 55 60
 Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
 65 70 75 80
 Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90

<210> 113
 <211> 93
 <212> PRT
 <213> Homo Sapiens

<400> 113
 Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala
 1 5 10 15
 Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp
 20 25 30
 Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser
 35 40 45
 Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp
 50 55 60
 Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
 65 70 75 80
 Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90

<210> 114
 <211> 92
 <212> PRT

<213> Homo Sapiens

<400> 114

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Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn
 1      5      10      15
Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala
    20      25      30
Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn
    35      40      45
Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser
    50      55      60
Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
65      70      75      80
Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
    85      90

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<210> 115

<211> 91

<212> PRT

<213> Homo Sapiens

<400> 115

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Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr
 1      5      10      15
Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala
    20      25      30
Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala
    35      40      45
Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu
    50      55      60
Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
65      70      75      80
His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
    85      90

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<210> 116

<211> 90

<212> PRT

<213> Homo Sapiens

<400> 116

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Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile
 1      5      10      15
Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys
    20      25      30
Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg
    35      40      45
Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala
    50      55      60
Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
65      70      75      80
Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
    85      90

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<210> 117
 <211> 89
 <212> PRT
 <213> Homo Sapiens

<400> 117
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 1 5 10 15
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 20 25 30
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 35 40 45
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 50 55 60
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 65 70 75 80
 Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85

<210> 118
 <211> 88
 <212> PRT
 <213> Homo Sapiens

<400> 118
 Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser
 1 5 10 15
 Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly
 20 25 30
 Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn
 35 40 45
 Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln
 50 55 60
 Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
 65 70 75 80
 Pro Ala Gly Leu Pro Glu Lys Tyr
 85

<210> 119
 <211> 87
 <212> PRT
 <213> Homo Sapiens

<400> 119
 Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp
 1 5 10 15
 Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro
 20 25 30
 Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile
 35 40 45
 Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala

50 55 60
 Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro
 65 70 75 80
 Ala Gly Leu Pro Glu Lys Tyr
 85

<210> 120
 <211> 86
 <212> PRT
 <213> Homo Sapiens

<400> 120
 Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys
 1 5 10 15
 Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly
 20 25 30
 Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln
 35 40 45
 Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala
 50 55 60
 Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
 65 70 75 80
 Gly Leu Pro Glu Lys Tyr
 85

<210> 121
 <211> 84
 <212> PRT
 <213> Homo Sapiens

<400> 121
 Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe
 1 5 10 15
 His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val
 20 25 30
 Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe
 35 40 45
 Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu
 50 55 60
 Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
 65 70 75 80
 Pro Glu Lys Tyr

<210> 122
 <211> 83
 <212> PRT
 <213> Homo Sapiens

<400> 122
 Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His
 1 5 10 15

Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp
 20 25 30
 Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
 35 40 45
 Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 50 55 60
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 65 70 75 80
 Glu Lys Tyr

<210> 123
 <211> 82
 <212> PRT
 <213> Homo Sapiens

<400> 123
 Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala
 1 5 10 15
 Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala
 20 25 30
 Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly
 35 40 45
 Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly
 50 55 60
 Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu
 65 70 75 80
 Lys Tyr

<210> 124
 <211> 81
 <212> PRT
 <213> Homo Sapiens

<400> 124
 Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg
 1 5 10 15
 Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala
 20 25 30
 Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg
 35 40 45
 Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 50 55 60
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 65 70 75 80
 Tyr

<210> 125
 <211> 80
 <212> PRT

<213> Homo Sapiens

<400> 125

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Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly
 1         5         10        15
Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu
 20        25        30
Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly
 35        40        45
Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser
 50        55        60
Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
65         70         75         80

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<210> 126

<211> 79

<212> PRT

<213> Homo Sapiens

<400> 126

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Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn
 1         5         10        15
Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala
 20        25        30
Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
 35        40        45
Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
 50        55        60
Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
65         70         75

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<210> 127

<211> 78

<212> PRT

<213> Homo Sapiens

<400> 127

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Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr
 1         5         10        15
Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile
 20        25        30
Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
 35        40        45
Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
 50        55        60
Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
65         70         75

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<210> 128

<211> 77

<212> PRT

<213> Homo Sapiens

<400> 128

Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp
 1 5 10 15
 Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser
 20 25 30
 Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp
 35 40 45
 Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
 50 55 60
 Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70 75

<210> 129

<211> 76

<212> PRT

<213> Homo Sapiens

<400> 129

Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala
 1 5 10 15
 Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn
 20 25 30
 Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser
 35 40 45
 Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
 50 55 60
 Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70 75

<210> 130

<211> 75

<212> PRT

<213> Homo Sapiens

<400> 130

Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala
 1 5 10 15
 Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala
 20 25 30
 Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu
 35 40 45
 Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
 50 55 60
 His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70 75

<210> 131

<211> 74

<212> PRT

<213> Homo Sapiens

<400> 131

Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys
 1 5 10 15
 Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg
 20 25 30
 Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala
 35 40 45
 Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
 50 55 60
 Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70

<210> 132

<211> 73

<212> PRT

<213> Homo Sapiens

<400> 132

Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 1 5 10 15
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 20 25 30
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 35 40 45
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 50 55 60
 Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70

<210> 133

<211> 72

<212> PRT

<213> Homo Sapiens

<400> 133

Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly
 1 5 10 15
 Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn
 20 25 30
 Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln
 35 40 45
 Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
 50 55 60
 Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70

<210> 134

<211> 71

<212> PRT

<213> Homo Sapiens

<400> 134

Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro
 1 5 10 15
 Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile
 20 25 30
 Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala
 35 40 45
 Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro
 50 55 60
 Ala Gly Leu Pro Glu Lys Tyr
 65 70

<210> 135
 <211> 70
 <212> PRT
 <213> Homo Sapiens

<400> 135
 Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly
 1 5 10 15
 Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln
 20 25 30
 Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala
 35 40 45
 Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
 50 55 60
 Gly Leu Pro Glu Lys Tyr
 65 70

<210> 136
 <211> 69
 <212> PRT
 <213> Homo Sapiens

<400> 136
 Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly
 1 5 10 15
 Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg
 20 25 30
 Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn
 35 40 45
 Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
 50 55 60
 Leu Pro Glu Lys Tyr
 65

<210> 137
 <211> 68
 <212> PRT
 <213> Homo Sapiens

<400> 137
 His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val

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1       5       10      15
Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe
      20      25      30
Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu
      35      40      45
Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
      50      55      60
Pro Glu Lys Tyr
65

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<210> 138
 <211> 67
 <212> PRT
 <213> Homo Sapiens

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<400> 138
Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp
1       5       10      15
Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
      20      25      30
Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
      35      40      45
Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
      50      55      60
Glu Lys Tyr
65

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<210> 139
 <211> 66
 <212> PRT
 <213> Homo Sapiens

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<400> 139
Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala
1       5       10      15
Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly
      20      25      30
Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly
      35      40      45
Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu
      50      55      60
Lys Tyr
65

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<210> 140
 <211> 65
 <212> PRT
 <213> Homo Sapiens

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<400> 140
Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala
1       5       10      15

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Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg
 20 25 30
 Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 35 40 45
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 50 55 60
 Tyr
 65

<210> 141
 <211> 64
 <212> PRT
 <213> Homo Sapiens

<400> 141
 Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu
 1 5 10 15
 Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly
 20 25 30
 Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser
 35 40 45
 Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55 60

<210> 142
 <211> 63
 <212> PRT
 <213> Homo Sapiens

<400> 142
 Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala
 1 5 10 15
 Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
 20 25 30
 Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
 35 40 45
 Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55 60

<210> 143
 <211> 62
 <212> PRT
 <213> Homo Sapiens

<400> 143
 Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile
 1 5 10 15
 Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
 20 25 30
 Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
 35 40 45
 Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr

50 55 60

<210> 144
 <211> 61
 <212> PRT
 <213> Homo Sapiens

<400> 144
 Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser
 1 5 10 15
 Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp
 20 25 30
 Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
 35 40 45
 Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55 60

<210> 145
 <211> 60
 <212> PRT
 <213> Homo Sapiens

<400> 145
 Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn
 1 5 10 15
 Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser
 20 25 30
 Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
 35 40 45
 Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55 60

<210> 146
 <211> 59
 <212> PRT
 <213> Homo Sapiens

<400> 146
 Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala
 1 5 10 15
 Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu
 20 25 30
 Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
 35 40 45
 His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55

<210> 147
 <211> 58
 <212> PRT
 <213> Homo Sapiens

<400> 147

Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg
 1 5 10 15
 Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala
 20 25 30
 Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
 35 40 45
 Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55

<210> 148

<211> 57

<212> PRT

<213> Homo Sapiens

<400> 148

Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 1 5 10 15
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 20 25 30
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 35 40 45
 Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55

<210> 149

<211> 56

<212> PRT

<213> Homo Sapiens

<400> 149

Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn
 1 5 10 15
 Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln
 20 25 30
 Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
 35 40 45
 Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55

<210> 150

<211> 55

<212> PRT

<213> Homo Sapiens

<400> 150

Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile
 1 5 10 15
 Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala
 20 25 30
 Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro

35 40 45
Ala Gly Leu Pro Glu Lys Tyr
50 55

<210> 151
<211> 54
<212> PRT
<213> Homo Sapiens

<400> 151
Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln
1 5 10 15
Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala
20 25 30
Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
35 40 45
Gly Leu Pro Glu Lys Tyr
50

<210> 152
<211> 53
<212> PRT
<213> Homo Sapiens

<400> 152
Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg
1 5 10 15
Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn
20 25 30
Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
35 40 45
Leu Pro Glu Lys Tyr
50

<210> 153
<211> 52
<212> PRT
<213> Homo Sapiens

<400> 153
Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe
1 5 10 15
Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu
20 25 30
Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
35 40 45
Pro Glu Lys Tyr
50

<210> 154
<211> 51

<212> PRT
 <213> Homo Sapiens

<400> 154
 Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
 1 5 10 15
 Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 20 25 30
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 35 40 45
 Glu Lys Tyr
 50

<210> 155
 <211> 51
 <212> PRT
 <213> Homo Sapiens

<400> 155
 Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
 1 5 10 15
 Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 20 25 30
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 35 40 45
 Glu Lys Tyr
 50

<210> 156
 <211> 49
 <212> PRT
 <213> Homo Sapiens

<400> 156
 Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg
 1 5 10 15
 Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 20 25 30
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 35 40 45
 Tyr

<210> 157
 <211> 48
 <212> PRT
 <213> Homo Sapiens

<400> 157
 Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly
 1 5 10 15
 Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser

20 25 30
 Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40 45

<210> 158
 <211> 47
 <212> PRT
 <213> Homo Sapiens

<400> 158
 Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
 1 5 10 15
 Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
 20 25 30
 Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40 45

<210> 159
 <211> 46
 <212> PRT
 <213> Homo Sapiens

<400> 159
 Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
 1 5 10 15
 Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
 20 25 30
 Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40 45

<210> 160
 <211> 45
 <212> PRT
 <213> Homo Sapiens

<400> 160
 Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp
 1 5 10 15
 Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
 20 25 30
 Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40 45

<210> 161
 <211> 44
 <212> PRT
 <213> Homo Sapiens

<400> 161
 Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser
 1 5 10 15

Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
 20 25 30
 Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40

<210> 162
 <211> 43
 <212> PRT
 <213> Homo Sapiens

<400> 162
 Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu
 1 5 10 15
 Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
 20 25 30
 His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40

<210> 163
 <211> 42
 <212> PRT
 <213> Homo Sapiens

<400> 163
 Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala
 1 5 10 15
 Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
 20 25 30
 Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40

<210> 164
 <211> 41
 <212> PRT
 <213> Homo Sapiens

<400> 164
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 1 5 10 15
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 20 25 30
 Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40

<210> 165
 <211> 40
 <212> PRT
 <213> Homo Sapiens

<400> 165
 Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln

1 5 10 15
 Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
 20 25 30
 Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40

<210> 166
 <211> 39
 <212> PRT
 <213> Homo Sapiens

<400> 166
 Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala
 1 5 10 15
 Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro
 20 25 30
 Ala Gly Leu Pro Glu Lys Tyr
 35

<210> 167
 <211> 38
 <212> PRT
 <213> Homo Sapiens

<400> 167
 Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala
 1 5 10 15
 Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
 20 25 30
 Gly Leu Pro Glu Lys Tyr
 35

<210> 168
 <211> 37
 <212> PRT
 <213> Homo Sapiens

<400> 168
 Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn
 1 5 10 15
 Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
 20 25 30
 Leu Pro Glu Lys Tyr
 35

<210> 169
 <211> 35
 <212> PRT
 <213> Homo Sapiens

<400> 169

Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 1 5 10 15
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 20 25 30
 Glu Lys Tyr
 35

<210> 170
 <211> 34
 <212> PRT
 <213> Homo Sapiens

<400> 170
 Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly
 1 5 10 15
 Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu
 20 25 30
 Lys Tyr

<210> 171
 <211> 33
 <212> PRT
 <213> Homo Sapiens

<400> 171
 Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 1 5 10 15
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 20 25 30
 Tyr

<210> 172
 <211> 32
 <212> PRT
 <213> Homo Sapiens

<400> 172
 Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser
 1 5 10 15
 Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 20 25 30

<210> 173
 <211> 31
 <212> PRT
 <213> Homo Sapiens

<400> 173
 Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly

1 5 10 15
Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
20 25 30

<210> 174
<211> 30
<212> PRT
<213> Homo Sapiens

<400> 174
Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
1 5 10 15
Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
20 25 30

<210> 175
<211> 29
<212> PRT
<213> Homo Sapiens

<400> 175
Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
1 5 10 15
Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
20 25

<210> 176
<211> 28
<212> PRT
<213> Homo Sapiens

<400> 176
Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
1 5 10 15
Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
20 25

<210> 177
<211> 27
<212> PRT
<213> Homo Sapiens

<400> 177
Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
1 5 10 15
His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
20 25

<210> 178
<211> 26

<212> PRT
 <213> Homo Sapiens

<400> 178
 Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
 1 5 10 15
 Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 20 25

<210> 179
 <211> 25
 <212> PRT
 <213> Homo Sapiens

<400> 179
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 1 5 10 15
 Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 20 25

<210> 180
 <211> 24
 <212> PRT
 <213> Homo Sapiens

<400> 180
 Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
 1 5 10 15
 Pro Ala Gly Leu Pro Glu Lys Tyr
 20

<210> 181
 <211> 23
 <212> PRT
 <213> Homo Sapiens

<400> 181
 Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro
 1 5 10 15
 Ala Gly Leu Pro Glu Lys Tyr
 20

<210> 182
 <211> 22
 <212> PRT
 <213> Homo Sapiens

<400> 182
 Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
 1 5 10 15
 Gly Leu Pro Glu Lys Tyr

20

<210> 183
 <211> 21
 <212> PRT
 <213> Homo Sapiens

<400> 183
 Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
 1 5 10 15
 Leu Pro Glu Lys Tyr
 20

<210> 184
 <211> 20
 <212> PRT
 <213> Homo Sapiens

<400> 184
 Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
 1 5 10 15
 Pro Glu Lys Tyr
 20

<210> 185
 <211> 19
 <212> PRT
 <213> Homo Sapiens

<400> 185
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 1 5 10 15
 Glu Lys Tyr

<210> 186
 <211> 18
 <212> PRT
 <213> Homo Sapiens

<400> 186
 Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu
 1 5 10 15
 Lys Tyr

<210> 187
 <211> 17
 <212> PRT
 <213> Homo Sapiens

<400> 187

Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys

1 5 10 15

Tyr

<210> 188

<211> 16

<212> PRT

<213> Homo Sapiens

<400> 188

Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr

1 5 10 15

<210> 189

<211> 15

<212> PRT

<213> Homo Sapiens

<400> 189

Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr

1 5 10 15

<210> 190

<211> 14

<212> PRT

<213> Homo Sapiens

<400> 190

Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr

1 5 10

<210> 191

<211> 13

<212> PRT

<213> Homo Sapiens

<400> 191

Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr

1 5 10

<210> 192

<211> 12

<212> PRT

<213> Homo Sapiens

<400> 192

Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr

1 5 10

<210> 193
<211> 11
<212> PRT
<213> Homo Sapiens

<400> 193
His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
1 5 10

<210> 194
<211> 10
<212> PRT
<213> Homo Sapiens

<400> 194
Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
1 5 10

<210> 195
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 195
Arg Pro Ala Gly Leu Pro Glu Lys Tyr
1 5

<210> 196
<211> 8
<212> PRT
<213> Homo Sapiens

<400> 196
Pro Ala Gly Leu Pro Glu Lys Tyr
1 5

<210> 197
<211> 7
<212> PRT
<213> Homo Sapiens

<400> 197
Ala Gly Leu Pro Glu Lys Tyr
1 5

<210> 198
<211> 6

<212> PRT
 <213> Homo Sapiens

<400> 198
 Gly Leu Pro Glu Lys Tyr
 1 5

<210> 199
 <211> 5
 <212> PRT
 <213> Homo Sapiens

<400> 199
 Leu Pro Glu Lys Tyr
 1 5

<210> 200
 <211> 4
 <212> PRT
 <213> Homo Sapiens

<400> 200
 Pro Glu Lys Tyr
 1

<210> 201
 <211> 99
 <212> PRT
 <213> Homo Sapiens

<400> 201
 Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr
 1 5 10 15
 Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His
 20 25 30
 Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp
 35 40 45
 Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
 50 55 60
 Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 65 70 75 80
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 85 90 95
 Glu Lys Tyr

<210> 202
 <211> 97
 <212> PRT
 <213> Homo Sapiens

<400> 202

Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp
 1 5 10 15
 Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg
 20 25 30
 Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala
 35 40 45
 Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg
 50 55 60
 Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 65 70 75 80
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 85 90 95
 Tyr

<210> 203

<211> 99

<212> PRT

<213> Homo Sapiens

<400> 203

Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr
 1 5 10 15
 Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His
 20 25 30
 Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp
 35 40 45
 Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
 50 55 60
 Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 65 70 75 80
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 85 90 95
 Glu Lys Tyr

<210> 204

<211> 101

<212> PRT

<213> Homo Sapiens

<400> 204

Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg
 1 5 10 15
 Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr
 20 25 30
 Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly
 35 40 45
 Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg
 50 55 60
 Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn
 65 70 75 80

Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
 85 90 95
 Leu Pro Glu Lys Tyr
 100

<210> 205
 <211> 100
 <212> PRT
 <213> Homo Sapiens

<400> 205
 Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala
 1 5 10 15
 Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe
 20 25 30
 His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val
 35 40 45
 Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe
 50 55 60
 Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu
 65 70 75 80
 Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
 85 90 95
 Pro Glu Lys Tyr
 100

<210> 206
 <211> 99
 <212> PRT
 <213> Homo Sapiens

<400> 206
 Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr
 1 5 10 15
 Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His
 20 25 30
 Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp
 35 40 45
 Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
 50 55 60
 Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 65 70 75 80
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 85 90 95
 Glu Lys Tyr

<210> 207
 <211> 98
 <212> PRT
 <213> Homo Sapiens

<400> 207

Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser
 1 5 10 15
 Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala
 20 25 30
 Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala
 35 40 45
 Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly
 50 55 60
 Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly
 65 70 75 80
 Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu
 85 90 95
 Lys Tyr

<210> 208

<211> 97

<212> PRT

<213> Homo Sapiens

<400> 208

Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp
 1 5 10 15
 Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg
 20 25 30
 Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala
 35 40 45
 Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg
 50 55 60
 Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 65 70 75 80
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 85 90 95
 Tyr

<210> 209

<211> 96

<212> PRT

<213> Homo Sapiens

<400> 209

Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met
 1 5 10 15
 Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly
 20 25 30
 Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu
 35 40 45
 Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly
 50 55 60
 Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser
 65 70 75 80

Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90 95

<210> 210
 <211> 95
 <212> PRT
 <213> Homo Sapiens

<400> 210
 Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg
 1 5 10 15
 Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn
 20 25 30
 Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala
 35 40 45
 Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
 50 55 60
 Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
 65 70 75 80
 Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90 95

<210> 211
 <211> 94
 <212> PRT
 <213> Homo Sapiens

<400> 211
 Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu
 1 5 10 15
 Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr
 20 25 30
 Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile
 35 40 45
 Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
 50 55 60
 Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
 65 70 75 80
 Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90

<210> 212
 <211> 93
 <212> PRT
 <213> Homo Sapiens

<400> 212
 Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala
 1 5 10 15
 Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp
 20 25 30
 Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser

35 40 45
 Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp
 50 55 60
 Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
 65 70 75 80
 Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90

<210> 213
 <211> 92
 <212> PRT
 <213> Homo Sapiens

<400> 213
 Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn
 1 5 10 15
 Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala
 20 25 30
 Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn
 35 40 45
 Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser
 50 55 60
 Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
 65 70 75 80
 Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90

<210> 214
 <211> 91
 <212> PRT
 <213> Homo Sapiens

<400> 214
 Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr
 1 5 10 15
 Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala
 20 25 30
 Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala
 35 40 45
 Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu
 50 55 60
 Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
 65 70 75 80
 His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90

<210> 215
 <211> 90
 <212> PRT
 <213> Homo Sapiens

<400> 215

Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile
 1 5 10 15
 Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys
 20 25 30
 Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg
 35 40 45
 Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala
 50 55 60
 Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
 65 70 75 80
 Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90

<210> 216

<211> 89

<212> PRT

<213> Homo Sapiens

<400> 216

Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 1 5 10 15
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 20 25 30
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 35 40 45
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 50 55 60
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 65 70 75 80
 Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85

<210> 217

<211> 88

<212> PRT

<213> Homo Sapiens

<400> 217

Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser
 1 5 10 15
 Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly
 20 25 30
 Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn
 35 40 45
 Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln
 50 55 60
 Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
 65 70 75 80
 Pro Ala Gly Leu Pro Glu Lys Tyr
 85

<210> 218

<211> 87
 <212> PRT
 <213> Homo Sapiens

<400> 218
 Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp
 1 5 10 15
 Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro
 20 25 30
 Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile
 35 40 45
 Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala
 50 55 60
 Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro
 65 70 75 80
 Ala Gly Leu Pro Glu Lys Tyr
 85

<210> 219
 <211> 86
 <212> PRT
 <213> Homo Sapiens

<400> 219
 Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys
 1 5 10 15
 Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly
 20 25 30
 Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln
 35 40 45
 Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala
 50 55 60
 Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
 65 70 75 80
 Gly Leu Pro Glu Lys Tyr
 85

<210> 220
 <211> 85
 <212> PRT
 <213> Homo Sapiens

<400> 220
 Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr
 1 5 10 15
 Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly
 20 25 30
 Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg
 35 40 45
 Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn
 50 55 60
 Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
 65 70 75 80

Leu Pro Glu Lys Tyr
85

<210> 221
<211> 84
<212> PRT
<213> Homo Sapiens

<400> 221
Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe
1 5 10 15
His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val
20 25 30
Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe
35 40 45
Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu
50 55 60
Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
65 70 75 80
Pro Glu Lys Tyr

<210> 222
<211> 83
<212> PRT
<213> Homo Sapiens

<400> 222
Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His
1 5 10 15
Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp
20 25 30
Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
35 40 45
Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
50 55 60
Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
65 70 75 80
Glu Lys Tyr

<210> 223
<211> 82
<212> PRT
<213> Homo Sapiens

<400> 223
Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala
1 5 10 15
Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala
20 25 30
Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly

35 40 45
 Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly
 50 55 60
 Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu
 65 70 75 80
 Lys Tyr

<210> 224
 <211> 81
 <212> PRT
 <213> Homo Sapiens

<400> 224
 Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg
 1 5 10 15
 Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala
 20 25 30
 Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg
 35 40 45
 Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 50 55 60
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 65 70 75 80
 Tyr

<210> 225
 <211> 80
 <212> PRT
 <213> Homo Sapiens

<400> 225
 Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly
 1 5 10 15
 Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu
 20 25 30
 Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly
 35 40 45
 Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser
 50 55 60
 Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70 75 80

<210> 226
 <211> 79
 <212> PRT
 <213> Homo Sapiens

<400> 226
 Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn
 1 5 10 15

Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala
 20 25 30
 Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
 35 40 45
 Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
 50 55 60
 Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70 75

<210> 227
 <211> 78
 <212> PRT
 <213> Homo Sapiens

<400> 227
 Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr
 1 5 10 15
 Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile
 20 25 30
 Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
 35 40 45
 Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
 50 55 60
 Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70 75

<210> 228
 <211> 77
 <212> PRT
 <213> Homo Sapiens

<400> 228
 Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp
 1 5 10 15
 Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser
 20 25 30
 Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp
 35 40 45
 Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
 50 55 60
 Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70 75

<210> 229
 <211> 76
 <212> PRT
 <213> Homo Sapiens

<400> 229
 Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala
 1 5 10 15
 Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn

20 25 30
 Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser
 35 40 45
 Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
 50 55 60
 Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70 75

<210> 230
 <211> 75
 <212> PRT
 <213> Homo Sapiens

<400> 230
 Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala
 1 5 10 15
 Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala
 20 25 30
 Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu
 35 40 45
 Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
 50 55 60
 His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70 75

<210> 231
 <211> 74
 <212> PRT
 <213> Homo Sapiens

<400> 231
 Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys
 1 5 10 15
 Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg
 20 25 30
 Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala
 35 40 45
 Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
 50 55 60
 Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70

<210> 232
 <211> 73
 <212> PRT
 <213> Homo Sapiens

<400> 232
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 1 5 10 15
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 20 25 30

Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 35 40 45
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 50 55 60
 Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70

<210> 233
 <211> 72
 <212> PRT
 <213> Homo Sapiens

<400> 233
 Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly
 1 5 10 15
 Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn
 20 25 30
 Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln
 35 40 45
 Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
 50 55 60
 Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70

<210> 234
 <211> 71
 <212> PRT
 <213> Homo Sapiens

<400> 234
 Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro
 1 5 10 15
 Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile
 20 25 30
 Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala
 35 40 45
 Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro
 50 55 60
 Ala Gly Leu Pro Glu Lys Tyr
 65 70

<210> 235
 <211> 70
 <212> PRT
 <213> Homo Sapiens

<400> 235
 Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly
 1 5 10 15
 Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln
 20 25 30
 Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala

35 40 45
 Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
 50 55 60
 Gly Leu Pro Glu Lys Tyr
 65 70

<210> 236
 <211> 69
 <212> PRT
 <213> Homo Sapiens

<400> 236
 Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly
 1 5 10 15
 Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg
 20 25 30
 Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn
 35 40 45
 Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
 50 55 60
 Leu Pro Glu Lys Tyr
 65

<210> 237
 <211> 68
 <212> PRT
 <213> Homo Sapiens

<400> 237
 His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val
 1 5 10 15
 Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe
 20 25 30
 Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu
 35 40 45
 Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
 50 55 60
 Pro Glu Lys Tyr
 65

<210> 238
 <211> 67
 <212> PRT
 <213> Homo Sapiens

<400> 238
 Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp
 1 5 10 15
 Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
 20 25 30
 Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 35 40 45

Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 50 55 60
 Glu Lys Tyr
 65

<210> 239
 <211> 66
 <212> PRT
 <213> Homo Sapiens

<400> 239
 Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala
 1 5 10 15
 Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly
 20 25 30
 Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly
 35 40 45
 Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu
 50 55 60
 Lys Tyr
 65

<210> 240
 <211> 65
 <212> PRT
 <213> Homo Sapiens

<400> 240
 Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala
 1 5 10 15
 Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg
 20 25 30
 Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 35 40 45
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 50 55 60
 Tyr
 65

<210> 241
 <211> 64
 <212> PRT
 <213> Homo Sapiens

<400> 241
 Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu
 1 5 10 15
 Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly
 20 25 30
 Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser
 35 40 45
 Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr

50 55 60

<210> 242
 <211> 63
 <212> PRT
 <213> Homo Sapiens

<400> 242
 Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala
 1 5 10 15
 Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
 20 25 30
 Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
 35 40 45
 Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55 60

<210> 243
 <211> 62
 <212> PRT
 <213> Homo Sapiens

<400> 243
 Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile
 1 5 10 15
 Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
 20 25 30
 Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
 35 40 45
 Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55 60

<210> 244
 <211> 61
 <212> PRT
 <213> Homo Sapiens

<400> 244
 Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser
 1 5 10 15
 Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp
 20 25 30
 Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
 35 40 45
 Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55 60

<210> 245
 <211> 60
 <212> PRT
 <213> Homo Sapiens

<400> 245

Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn
 1 5 10 15
 Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser
 20 25 30
 Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
 35 40 45
 Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55 60

<210> 246

<211> 59

<212> PRT

<213> Homo Sapiens

<400> 246

Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala
 1 5 10 15
 Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu
 20 25 30
 Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
 35 40 45
 His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55

<210> 247

<211> 58

<212> PRT

<213> Homo Sapiens

<400> 247

Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg
 1 5 10 15
 Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala
 20 25 30
 Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
 35 40 45
 Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55

<210> 248

<211> 57

<212> PRT

<213> Homo Sapiens

<400> 248

Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 1 5 10 15
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 20 25 30
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe

20 25 30
Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu
35 40 45
Lys Tyr
50

<210> 256
<211> 49
<212> PRT
<213> Homo Sapiens

<400> 256
Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg
1 5 10 15
Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
20 25 30
Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
35 40 45
Tyr

<210> 257
<211> 48
<212> PRT
<213> Homo Sapiens

<400> 257
Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly
1 5 10 15
Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser
20 25 30
Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
35 40 45

<210> 258
<211> 47
<212> PRT
<213> Homo Sapiens

<400> 258
Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
1 5 10 15
Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
20 25 30
Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
35 40 45

<210> 259
<211> 46
<212> PRT
<213> Homo Sapiens

<400> 259

Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
 1 5 10 15
 Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
 20 25 30
 Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40 45

<210> 260

<211> 45

<212> PRT

<213> Homo Sapiens

<400> 260

Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp
 1 5 10 15
 Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
 20 25 30
 Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40 45

<210> 261

<211> 44

<212> PRT

<213> Homo Sapiens

<400> 261

Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser
 1 5 10 15
 Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
 20 25 30
 Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40

<210> 262

<211> 43

<212> PRT

<213> Homo Sapiens

<400> 262

Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu
 1 5 10 15
 Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
 20 25 30
 His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40

<210> 263

<211> 42

<212> PRT

<213> Homo Sapiens

<400> 263

Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala
 1 5 10 15
 Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
 20 25 30
 Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40

<210> 264

<211> 41

<212> PRT

<213> Homo Sapiens

<400> 264

Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 1 5 10 15
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 20 25 30
 Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40

<210> 265

<211> 40

<212> PRT

<213> Homo Sapiens

<400> 265

Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln
 1 5 10 15
 Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
 20 25 30
 Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40

<210> 266

<211> 39

<212> PRT

<213> Homo Sapiens

<400> 266

Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala
 1 5 10 15
 Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro
 20 25 30
 Ala Gly Leu Pro Glu Lys Tyr
 35

<210> 267

<211> 38

<212> PRT

<213> Homo Sapiens

<400> 267

Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala

1 5 10 15

Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala

20 25 30

Gly Leu Pro Glu Lys Tyr

35

<210> 268

<211> 37

<212> PRT

<213> Homo Sapiens

<400> 268

Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn

1 5 10 15

Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly

20 25 30

Leu Pro Glu Lys Tyr

35

<210> 269

<211> 36

<212> PRT

<213> Homo Sapiens

<400> 269

Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu

1 5 10 15

Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu

20 25 30

Pro Glu Lys Tyr

35

<210> 270

<211> 35

<212> PRT

<213> Homo Sapiens

<400> 270

Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp

1 5 10 15

Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro

20 25 30

Glu Lys Tyr

35

<210> 271

<211> 34
 <212> PRT
 <213> Homo Sapiens

<400> 271
 Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly
 1 5 10 15
 Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu
 20 25 30
 Lys Tyr

<210> 272
 <211> 33
 <212> PRT
 <213> Homo Sapiens

<400> 272
 Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 1 5 10 15
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 20 25 30
 Tyr

<210> 273
 <211> 32
 <212> PRT
 <213> Homo Sapiens

<400> 273
 Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser
 1 5 10 15
 Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 20 25 30

<210> 274
 <211> 31
 <212> PRT
 <213> Homo Sapiens

<400> 274
 Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
 1 5 10 15
 Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 20 25 30

<210> 275
 <211> 30
 <212> PRT
 <213> Homo Sapiens

<400> 275

Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys

1 5 10 15

Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr

20 25 30

<210> 276

<211> 29

<212> PRT

<213> Homo Sapiens

<400> 276

Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp

1 5 10 15

Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr

20 25

<210> 277

<211> 28

<212> PRT

<213> Homo Sapiens

<400> 277

Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro

1 5 10 15

Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr

20 25

<210> 278

<211> 27

<212> PRT

<213> Homo Sapiens

<400> 278

Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn

1 5 10 15

His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr

20 25

<210> 279

<211> 26

<212> PRT

<213> Homo Sapiens

<400> 279

Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His

1 5 10 15

Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr

20 25

<210> 280
 <211> 25
 <212> PRT
 <213> Homo Sapiens

<400> 280
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 1 5 10 15
 Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 20 25

<210> 281
 <211> 24
 <212> PRT
 <213> Homo Sapiens

<400> 281
 Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
 1 5 10 15
 Pro Ala Gly Leu Pro Glu Lys Tyr
 20

<210> 282
 <211> 23
 <212> PRT
 <213> Homo Sapiens

<400> 282
 Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro
 1 5 10 15
 Ala Gly Leu Pro Glu Lys Tyr
 20

<210> 283
 <211> 22
 <212> PRT
 <213> Homo Sapiens

<400> 283
 Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
 1 5 10 15
 Gly Leu Pro Glu Lys Tyr
 20

<210> 284
 <211> 21
 <212> PRT
 <213> Homo Sapiens

<400> 284

Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
 1 5 10 15
 Leu Pro Glu Lys Tyr
 20

<210> 285
 <211> 20
 <212> PRT
 <213> Homo Sapiens

<400> 285
 Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
 1 5 10 15
 Pro Glu Lys Tyr
 20

<210> 286
 <211> 19
 <212> PRT
 <213> Homo Sapiens

<400> 286
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 1 5 10 15
 Glu Lys Tyr

<210> 287
 <211> 18
 <212> PRT
 <213> Homo Sapiens

<400> 287
 Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu
 1 5 10 15
 Lys Tyr

<210> 288
 <211> 17
 <212> PRT
 <213> Homo Sapiens

<400> 288
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 1 5 10 15
 Tyr

<210> 289

<211> 16
 <212> PRT
 <213> Homo Sapiens

<400> 289
 Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 1 5 10 15

<210> 290
 <211> 15
 <212> PRT
 <213> Homo Sapiens

<400> 290
 Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 1 5 10 15

<210> 291
 <211> 14
 <212> PRT
 <213> Homo Sapiens

<400> 291
 Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 1 5 10

<210> 292
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 <212> PRT
 <213> Homo Sapiens

<400> 292
 Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 1 5 10

<210> 293
 <211> 12
 <212> PRT
 <213> Homo Sapiens

<400> 293
 Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 1 5 10

<210> 294
 <211> 11
 <212> PRT
 <213> Homo Sapiens

<400> 294

His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 1 5 10

<210> 295
 <211> 10
 <212> PRT
 <213> Homo Sapiens

<400> 295
 Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 1 5 10

<210> 296
 <211> 9
 <212> PRT
 <213> Homo Sapiens

<400> 296
 Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 1 5

<210> 297
 <211> 8
 <212> PRT
 <213> Homo Sapiens

<400> 297
 Pro Ala Gly Leu Pro Glu Lys Tyr
 1 5

<210> 298
 <211> 7
 <212> PRT
 <213> Homo Sapiens

<400> 298
 Ala Gly Leu Pro Glu Lys Tyr
 1 5

<210> 299
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 <212> PRT
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<400> 299
 Gly Leu Pro Glu Lys Tyr
 1 5

<210> 300

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Leu Pro Glu Lys Tyr
1 5

<210> 301
<211> 4
<212> PRT
<213> Homo Sapiens

<400> 301
Pro Glu Lys Tyr
1